

CLAIMS

1. A focus state display comprising:

focus state judging means for judging whether or not an image captured from imaging means is in a focus state; and

focus state display means for indicating information that indicates the focus state according to the focus state obtained by the focus state on display means.

2. A focus state display, comprising:

focus state judging means for judging whether or not an image captured from imaging means is in a focus state;

focus state storage means for storing temporal progress of the focus states of images obtained by the focus state judging means with temporal progress of the captured images;

focus direction judging means for judging a focus direction from the temporal progress of the focus states obtained by the focus state storage means; and

focus state display means that, according to the focus direction obtained by the focus direction judging means, displays information that indicates its focus state and focus direction on display means ;

3. The focus state display according to either claim 1 or claim 2, wherein

the focus state display means indicates the focus state obtained by the focus state judging means with a plurality of graphic forms as many as a number according to its focused state.

4. The focus state display according to either claim 1 or claim 2, wherein

the focus state display means indicates the focus direction obtained by the focus direction judging means with symbols.

5. The focus state display according to either claim 1 or claim 2, further comprising light emitting means, wherein

the focus state display means indicates the focus state obtained by the focus state judging means by making the light emitting means blink or turn on.

6. The focus state display according to either claim 1 or claim 2, further comprising sounding means, wherein

the focus state display means informs the user of the focus state obtained by the focus state judging means by making the sounding means emit voice or sound.

7. The focus state display according to either claim 1 or claim 2, further comprising filtering means for eliminating high spatial frequency components of image data, wherein

the focus state display displays the image data by removing a wider range of high spatial frequency components with the filtering means as the focus state becomes worse based on the focus state obtained by the focus state judging means.

8. A portable terminal device comprising imaging means for picking up an image and display means for displaying the image obtained by the imaging means, further comprising

the focus state display according to any of claims 1 through 7.

9. A program used for making a computer execute a focus state display comprising:

focus state judging means for judging whether or not an image captured from imaging means is in a focus state; and

focus state display means for indicating information about its focus state according to the focus state obtained by the focus state judging means.

10. A program that makes a computer execute a focus state display comprising:

focus state judging means for judging whether or not an image captured from imaging means is in a focus state;

focus state storage means for storing the temporal progress of the focus states of the images obtained by the focus state judging means with temporal progress of the captured images;

focus direction judging means for judging a focus direction from temporal the temporal progress of the focus states obtained by the focus state storage means; and

focus state display means for indicating information about its focus state and focus direction on display means according to a focus direction obtained by the focus direction judging means.

11. A computer-readable recording medium characterized by recording a program that makes a computer execute a focus state display comprising:

focus state judging means for judging whether or not an image captured from imaging means is in a focus state; and

focus state display means for indicating information about its focus state on display means according to the focus state obtained by the focus state judging means.

12. A computer-readable recording medium characterized by recording a program that makes a computer execute a focus state display comprising:

focus state judging means for judging whether or not an image captured from imaging means is in a focus state;

focus state storage means for storing the temporal progress of the focus states of the images obtained by the focus state judging means with temporal progress of the captured images;

focus direction judging means for judging a focus direction from the temporal progress of the focus states obtained by the focus state storage means; and

focus state display means for indicating information about its focus state and focus direction on display means according to the focus direction obtained by the focus direction judging means.